2. FIELD KEY TO THE PLANT COMMUNITIES OF AGATE FOSSIL BEDS NATIONAL MONUMENT

This key may not apply in grazed portions of the mapping area outside the monument

1 0	
1. Sı	 2. Dominant woody plant stratum >3 m tallPopulus deltoides - (Salix amygdaloides) / Salix exigua Woodland
	2. Dominant woody plant stratum <3 m tall
	3. Willows (Salix exigua, S. lutea) dominant
	3. Willows uncommon or absent
	4. Tallest stratum dominated by Symphoricarpos occidentalisSymphoricarpos occidentalis Shrubland
	4. Tallest stratum dominated by herbaceous plants or a mixture of herbaceous plants and shrubs
1. Si	ite <25% vegetated by woody plants >0.5 m tall
	5. Site dominated by forbs (or nearly equal amounts of forbs and graminoids)
	6. Site dominated by annual forbs (Atriplex heterosperma, Iva xanthifolia, Lactuca serriola, Helianthus spp.)
	7. Site located in floodplain; <i>Atriplex heterosperma</i> or <i>Iva xanthifolia</i> usually abundant
	7. Site located in uplands (usually valley bottoms); <i>Helianthus annuus, Lactuca serriola, Salsola</i> spp. usually abundant
	6. Site dominated or co-dominated by perennial forbs (or subshrubs <0.5 m tall), including <i>Artemisia frigida, Cirsium arvense, Glycyrrhiza lepidota, Gutierrezia sarothrae</i> , or <i>Solidago</i> spp.
	8. Slope of site >15%
9. Fo	orb density obviously > graminoid density. Unvegetated surface predominately of exposed rockSchizachyrium scoparium - Bouteloua (curtipendula, gracilis - Carex filifolia Herbaceous Vegetation
	9. Forb density ≈ graminoid density

- 10. Carex filifolia and Stipa comata among the most common graminoids, overall vegetative cover usually >50% Stipa comata Bouteloua gracilis Carex filifolia Herbaceous Vegetation / Schizachyrium scoparium Bouteloua (curtipendula, gracilis) Carex filifolia Herbaceous Vegetation Mosaic
- 8. Site nearly level (slope <10%)
 - 11. Site densely vegetated (>90%), located in floodplain..........Juncus balticus Herbaceous Vegetation
 - 11. Site sparsely to moderately vegetated (<70%), located in uplands
 - 12. Site located in valley bottom......Stipa comata Bouteloua gracilis Gravel Herbaceous Vegetation
 - 12. Site located on crest of hill
 - 13. Forb density much > graminoid density, vegetative cover <50%Schizachyrium scoparium Bouteloua (curtipendula, gracilis) Carex filifolia Herbaceous Vegetation
 - 13. Forb density ≤ graminoid density..... Stipa comata Bouteloua gracilis Carex filifolia Herbaceous Vegetation / Schizachyrium scoparium Bouteloua (curtipendula, gracilis) Carex filifolia Herbaceous Vegetation Mosaic
- 5. Site dominated by graminoids
 - 14. Site dominated by coarse aquatic graminoids >1.5 m tall (*Typha latifolia, Sparganium eurycarpum*), restricted to low places in floodplain......Typha latifolia Western Herbaceous Vegetation
 - 14. Site dominated by slender graminoids < 1.5 m tall (grasses, sedges, rushes)
 - 15. Site dominated by annual grasses (usually *Bromus tectorum*)..**Upland Disturbance Community**
 - 15. Site dominated by perennial graminoids
 - 16. Carex filifolia cover >10%, sites usually on hilltops and upper or middle slopes (sometimes low slopes and valley bottoms)......Stipa comata Bouteloua gracilis Carex filifolia Herbaceous Vegetation
 - 16. *Carex filifolia* cover <10%; sites on middle and lower slopes, valley bottoms, and floodplain

- 17. Sites dominated by non-native grasses (*Agropyron cristatum* or *Bromus inermis*)......Seeded Grassland Community
- 17. Sites dominated by native grasses
 - 18. Sites present in uplands (including upper floodplain terraces which do not flood), usually dominated by grasses
 - 19. Calamovilfa longifolia and/or Stipa comata dominant, mostly slopes and valley bottoms Calamovilfa longifolia Andropogon hallii Herbaceous Vegetation
 - 19. Pascopyrum smithii and/or Poa pratensis dominant, Equisetum laevigatum and Cirsium floodmanii commonly present, mostly upper floodplain terraces...........Pascopyrum smithii Herbaceous Vegetation
 - 18. Sites restricted to floodplain and old river channels, sedges and/or rushes usually co-dominantJuncus balticus Herbaceous Vegetation